# 60 Rec'd PCT/PTO 26 JUL 2001

FORM PTO-1390 (REV 5-93)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO. 101615-00012

DATE: July 26, 2001

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLN. NO. (1F KNOWN, SEE 37 C.E.R. 25) (19 1/2 8:16 9 3 3 3 ) W

				07/00777				
		NATIONAL APPLICATION NO. 00/00957	INTERNATIONAL FILING DATE 7 February 2000	PRIORITY DATE CLAIMED 17 February 1999				
TIT	LE O	OF INVENTION: ESSENTIAL FATTY ACIDS IN THE PR	EVENTION OF CARDIOVASCULAR E	VENTS				
		ANT(S) FOR DO/EO/US: Franco PAMPARANA						
1.		This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371. (THE BASIC FILING FEE IS ATTACHED)						
2.		This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.						
3.		This express request to begin national examination procedures [35 U.S.C. 371(f)] at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).						
4.		A proper demand for International Preliminary Amendr	ment was made by the 19th month from	n the earliest claimed priority date.				
5.	⊠	A copy of the International Application as filed [35 U.S.C. 371(c)(2)]  a. ☑ is transmitted herewith (required only if not transmitted by the International Bureau).  b. ☐ has been transmitted by the International Bureau.  c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).						
6.	$\boxtimes$	A translation of the International Application into English	sh [35 U.S.C. 371(c)(2)].					
7.		Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)]  a.  are transmitted herewith (required only if not transmitted by the International Bureau).  b.  have been transmitted by the International Bureau.  c.  have not been made; however, the time limit for making such amendments has NOT expired.  d.  have not been made and will not be made.						
8.		A translation of the amendments to the claims under P	PCT Article 19 [35 U.S.C. 371(c)(3)].					
9.		An oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)].						
<sup>1</sup> 10.		A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)].						
Item	ıs 11	- 16 below concern other document(s) or information in	ncluded:					
11.		An Information Disclosure Statement under 37 C.F.R.	1.97 and 1.98.					
12.	$\boxtimes$	An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.						
13.		A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment.						
14.		A substitute specification.						
15.		A change of power of attorney and/or address letter.						
16.		Other items or information:   PCT/IPEA/409; PCT/IB/301; PCT/IB308; PCT/IB304; PCT/IB/332; PCT/RO/101; PCT/ISA/210						

1

جن د م<sub>ان</sub>چ

# JC17 Rec'd PCT/PTO 26 JUL 2001

IIS APPIN NO (IF KNOW	INTERNATIONAL APPLICATION NO. PCT/EP00/00957		ATTORNEY DOCKET NO. 101615-00012  DATE: July 26, 2001			
SEE 37 C.F.R. 139 Not 80						
17. The following fees  Basic National Fee [3' Search Report has bee International preliminar (37 C.F.R. 1.482) No international prelimi (37 C.F.R. 1.482) but ir [37 C.F.R. 1.445(a)(2)]. Neither international pre (37 C.F.R. 1.482) or int [37 C.F.R. 1.445(a)(2)] International preliminar (37 C.F.R. 1.482) and a post of the same of the	7 C.F.R. 1.492(a)(1) In prepared by the E y examination fee parameters In prepared by the E y examination fee parameters In any examination fee Iternational search fee Iternational search fee Iternational search fee Iternation fee parameters Iternation	CALCULATIONS	PTO USE ONLY			
PCT Article 33(2)-(4)	ROPRIATE BASIC			\$ 860.00		
Surcharge of \$130.00 for fur than $\square$ 20 $\square$ 30 months fro [37 C.F.R. 1.492(e)].	nishing the oath or	\$ 0.00				
Claims	Number Filed	Number Extra	Rate			
Total Claims	29 - 20 =	9	X \$ 18.00	\$ 162.00		
ndependent Claims	6-3=	3	X \$ 80.00	\$ 240.00		
Multiple dependent claim(s)	(if applicable)		+ \$270.00	\$ 0.00		
TC TC	OTAL OF ABOVE C	ALCULATIONS =		\$ 1,262.00		
Reduction by one-half for fili Verified Small Entity stateme (Note 37 C.F.R. 1.9, 1.27, 1.	ent must also be file	\$ 0.00				
	SUBTOTA	\$ 1,262.00				
Processing fee of \$130.00 fo Later the		\$ 0.00				
	TOTAL NATION	\$ 1,262.00				
Fee for recording the enclos must be accompanied by an (37 C.F.R. 3.28, 3.31). \$40.	appropriate cover s	\$ 40.00				
	TOTAL FEES EN	ICLOSED =		\$ 1,302.00		
				Amount to be refunded Charged	\$	
<ul> <li>a.  A check in the amount of \$1,302.00 to cover the above fees is enclosed.</li> <li>b. Please charge my Deposit Account No. 01-2300 in the amount of \$ to cover the above fee.  A duplicate copy of this sheet is enclosed.</li> <li>c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2300.</li> <li>NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive [37 C.F.R. 1.137(a) or (b)] must be filed and granted to restore the application to pending status.</li> <li>SEND ALL CORRESPONDENCE TO:  Arent Fox Kintner Plotkin &amp; Kahn 1050 Connecticut Avenue, N.W.  Suite 400 Washington, D.C. 20036-5339</li> </ul>						
Tel: (202) 857-6000 Fax: (202) 638-4810  RBM/aam  Robert B. Murray  Reg. No. 22,980						

## 09/869333 JC17 Rec'd PCT/PTO 26 JUL **2001**

### PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

PAMPARANA, Franco

Group Art Unit: Unknown

Application No.: Not Yet Assigned

Examiner: Unknown

Filed: Concurrently herewith

Attorney Dkt. No.: 101615-00012

For: ESSENTIAL FATTY ACIDS IN THE PREVENTION OF CARDIOVASCULAR

**EVENTS** 

## **PRELIMINARY AMENDMENT**

Commissioner for Patents Washington, D.C. 20231

Date: July 26, 2001

Sir:

Prior to initial examination of the application, please amend the above-identified application as follows:

## IN THE CLAIMS:

Please amend claims 1, 3-5, 9-11, 15, 21, 26, and 29 as follows:

1. (Amended) Use of essential fatty acids containing a mixture of eicosapentaenoic acid ethyl ester (EPA) and docosahexaenoic acid ethyl ester (DWA) in the preparation of a medicament useful for preventing mortality in a patient who has suffered from a myocardial infarction where the content in EPA+DWA in such mixture is greater than 25% b.w.; and the medicament is for oral administration

- 3. (Amended) Use according to claim 1, wherein the content in EPA+DHA in such mixture is about 30 to about 100% b.w.
- 4. (Amended) Use according to claim 1, wherein the content in EPA+DHA in such mixture is about 85% b.w.
- 5. (Amended) Use according to claim 4, wherein the medicament is for oral administration, at a dosage from about 0.7g to about 1.5g daily.
- 9. (Amended) Use according to claim 7, wherein the EPA or EHA content is from about 60 to about 100% b.w.
- 10. (Amended) Use according to claim 8, wherein the EPA or EHA content is from about 60 to about 100% b.w.
- 11. (Amended) Use according to claim 8, wherein the medicament is for oral administration.
- 15. (Amended) A method according to claim 12, wherein the medicament is administered orally.
- 21. (Amended) A method according to claim 18, wherein the medicament is administered orally.

- 26. (Amended) A method according to claim 24, wherein the medicament is administered orally.
- 29. (Amended) A method according to claim 27, wherein the medicament is administered orally.

#### **REMARKS**

Claims 1-29 are pending in this application. By this Amendment, claims 1, 3-5, 9-11, 15, 21, 26, and 29 are amended to delete multiple dependency. No new matter is contained in the amendments.

Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300.

Respectfully submitted,

Robert B. Murray

Registration No. 22,980

ARENT FOX KINTNER PLOTKIN & KAHN, PLLC

1050 Connecticut Avenue, N.W.,

Suite 600

Washington, D.C. 20036-5339

Tel: (202) 857-6000

Fax: (202) 638-4810

RBM/gck

### MARKED-UP ORIGINAL CLAIMS

- 1. (Amended) Use of essential fatty acids containing a mixture of eicosapentaenoic [eicosapentanoic] acid ethyl ester (EPA) and docosahexaenoic acid ethyl ester (DWA) in the preparation of a medicament useful for preventing mortality in a patient who has suffered from a myocardial infarction where the content in EPA+DWA in such mixture is greater than 25% b.w.; and the medicament is for oral administration
- 3. (Amended) Use according to claim 1 [or 2], wherein the content in EPA+DHA in such mixture is about 30 to about 100% b.w.
- 4. (Amended) Use according to claim 1[or 2], wherein the content in EPA+DHA in such mixture is about 85% b.w.
- 5. (Amended) Use according to claim 4[1], wherein the medicament is for oral administration, at a dosage from about 0.7g to about 1.5g daily.
- 9. (Amended) Use according to claim 7 [or 8], wherein the EPA or EHA content is from about 60 to about 100% b.w.
- 10. (Amended) Use according to claim 8 [or 9], wherein the EPA or EHA content is from about 60 to about 100% b.w.

34874-1

- 11. (Amended) Use according to [anyone of claims 8 to 10] <u>claim 8</u>, wherein the medicament is for oral administration.
- 15. (Amended) A method according to claim 12 [13 or 14], wherein the medicament is administered orally.
- 21. (Amended) A method according to claim 18, [19 or 20] wherein the medicament is administered orally.
- 26. (Amended) A method according to claim 24 [or 25], wherein the medicament is administered orally.
- 29. (Amended) A method according to claim 27 [or 28], wherein the medicament is administered orally.

34874-1 2

WO 00/48592

## 09/869333 JC17 Rec'd PCT/PTO 26 JUL 2001

PCT/EP00/00957

1

#### "ESSENTIAL FATTY ACIDS IN THE PREVENTION OF CARDIOVASCULAR EVENTS"

#### DESCRIPTION

This invention concerns the use of a pharmaceutical composition containing essential fatty acid ethyl esters originating from fish oils, in particular as a high concentration mixture of ethyl esters of  $(20:5\omega\ 3)$  eicosapentaenoic acid (EPA) and  $(22:6\omega\ 3)$  docosahexaenoic acid (DHA) in the prevention of cardiovascular events, especially of mortality in patients who have survived the hospitalization phase of acute myocardial infarction (AMI).

It is well known that certain essential fatty acids contained in fish oil have a therapeutic effect in the prevention and treatment of cardiovascular disorders, such as in the treatment of thrombosis, hypercholesterolemia, arteriosclerosis, cerebral infarction and hyperlipemias.

U.S. Patents US 5,502,077, US 5,656,667 and US 5,698,594 can be quoted as examples.

From the above prior art, it is known in particular the utility of fatty acids belonging to the  $\omega$ -3 family, more specifically (20:5 $\omega$  3) eicosapentaenoic acid (EPA) and (22:6 $\omega$  3) docosahexaenoic acid (DHA) in treating the above-mentioned disorders.

Indeed EPA, being a precursor of PGI3 and TxA3, exerts a preventing platelet aggregation effect and an antithrombotic effect that can be ascribed to inhibition of cyclooxygenase (similar effect to that of aspirin) and/or to competition with arachidonic acid for this enzyme, with consequent reduction in the synthesis of PGE2 and TxA2, which are well known platelet aggregating agents.

On the other hand DHA is the most important component of cerebral lipids in man and furthermore, being a structural component of the platelet cell,

20

25

25

5

it intervenes indirectly in increasing platelet fluidity, thus playing an important role in antithrombotic activity.

International patent application W089/11521, whose description is herein incorporated by reference, describes in particular an industrial process for extracting mixtures with a high content in poly-unsaturated acids, including EPA and DHA and their ethyl esters, from animal and/or vegetable oils.

Mixtures of fatty acids, especially EPA/DHA, obtained according to W089/11521, are reported to be particularly useful in the treatment of cardiovascular diseases.

However, currently used treatments in human therapy have been shown to be insufficient in preventing cardiovascular events, and more specifically mortality, in particular due to sudden death, which happen in patients who have had a myocardial infarction, on account of recurrences after a first acute myocardial infarction episode.

Therefore, there still is the need for an effective drug, in particular for preventing these recurrences.

Object of this invention, therefore, is the use of essential fatty acids with a high content in EPA-ethyl ester or DHA-ethyl ester or a high concentration mixture thereof, in the preparation of a medicament useful for preventing mortality, due, for instance, to cardiovascular events or sudden death, in patients who have suffered from a myocardial infarction.

According to a preferred aspect this invention therefore provides the use of essential fatty acids with a high content in EPA-ethyl ester or DHA-ethyl ester or a high concentration mixture thereof, in the preparation of a medicament useful for preventing sudden death in patients who have suffered from a myocardial infarction.

For ease of description "EPA-ethyl ester" and "DHA-ethyl ester" will be also quoted here as "EPA" and "DHA".

30 An essential fatty acid with high content in EPA-ethyl ester or DHA-ethyl

ester, according to the present invention, preferably contains more than 25% by weight (b.w.), in particular from about 60 to about 100% of such ester.

These compounds can be obtained by known methods.

In an essential fatty acid with a high concentration mixture of EPA-ethyl ester and DHA-ethyl ester, preferably such mixture has a content in EPA + DHA greater than 25% by weight, in particular from about 30 to about 100% by weight, preferably about 85% by weight.

In the EPA/DHA mixture, EPA preferably is present in a percentage from about 40 to about 60% by weight and DHA, preferably in a percentage from about 25 to about 45-50%.

In any case the preferred EPA/DHA ratio in such EPA/DHA mixture is about 0.9/1.5.

#### 15 PHARMACOLOGY

The efficacy of the treatment, according to the invention, is, for instance, proven by the fact that a surprising and highly significant reduction in post-infarction mortality was observed by such treatment in a clinical trial that lasted for 3.5 years, with protocols substantially designed as follows:

- a "control " group received the standard therapy which is usually given to infarcted patients;
- a "treatment" group, besides the therapy that was given to the
  "control" group, received 85% EPA+DHA (1 g daily);
- 25 3 a "treatment" group, besides the therapy that was given to the "control" group received vitamin E; and
  - a "treatment" group, besides the therapy that was given to the control group, received vitamin E and 85% EPA+DHA (1 g daily).

In fact the group of patient "treated" according to protocol 2 showed, in comparison to "control" group 1, a decrease of about 20% in total

mortality, with a decrease of about 40% of mortality due to sudden death and a notable reduction in mortality due to other cardiovascular events.

On the contrary, no significant results were achieved in group 3 as compared to the control group 1, whereas there was a reduction in total mortality of about 19% in group 4 as compared to the control group, with results that were similar to those obtained in treated group 2. From the above clinical results, the person skilled in the art will appreciate that, the use of a pharmaceutical composition in accordance to the present invention is certainly useful in human therapy in preventing mortality in patients who have suffered from a myocardial infarction.

Accordingly, this invention provides a method for preventing mortality in a patient who has survived a myocardial infarction, comprising administering to such patient a therapeutically effective amount of a medicament containing essential fatty acids with a high content in EPA-ethyl ester or DHA-ethyl ester or a high concentration mixture thereof.

As known, sudden death is an important contributor to the mortality rate in patients with cardiac disease, accounting for over 450,000 death per year in the USA.

About 80% of such patients, particularly those survivors of acute myocardial infarction with low ventricular ejection fractions, are at high risk of sudden death or reinfarction.

The above clinical results show that the present invention provides a new and valuable therapeutic tool for preventing sudden death in patients in particular in those who survived acute myocardial infarction.

Accordingly, as a preferred aspect, the present invention also provides a method for preventing sudden death in a patient, who is survivor of myocardial infarction, comprising administering to such patient a therapeutically effective amount of a medicament containing essential fatty-acids with a high content in EPA-ethyl ester or DHA-ethyl ester or a high concentration mixture thereof.

5

The essential fatty acids, according to the invention, can either have a high content, for instance more than 25% b.w., in EPA-ethyl ester or DHA-ethyl ester or in a mixture thereof. However EPA-ethyl ester and DHA-ethyl ester are preferably present as a mixture thereof with a content in EPA+DHA higher than 25% b.w. in particular from about 30 to about 100% b.w., preferably about 85% b.w.

Based on the obtained clinical results, according to a preferred aspect of the invention, the dosage of an essential fatty acid containing a EPA+DHA mixture with 85% b.w. titer for oral administration to a patient may vary from about 0.7 g to about 1.5 g daily, preferably about 1 g daily.

This amount of product as EPA+DHA mixture (or amount of EPA-ethyl ester alone or DHA-ethyl ester alone) may be administered in several divided doses throughout the day or preferably in a single administration, in order to achieve the desired hematic level. Obviously it is at the discretion of the physician to adjust the quantity of product to be administered according to the age, weight and general conditions of the patient.

The medicament, e.g. in the form of a pharmaceutical composition, according to this invention can be prepared according to known methods in the art. The preferred route of administration is the oral one, however leaving alternative routes of administration, such as the parenteral route, to the discretion of the physician.

The following examples illustrate preferred formulations for oral administration, but do not intend to limit the invention in any way.

25 Gelatin capsules

According to known pharmaceutical techniques, capsules having the composition below and containing 1 g of active ingredient (EPA + DHA, 85% titer) per capsule are prepared.

	EPA-ethyl ester	525	mg/capsule;
	DHA-ethyl ester	315	mg/capsule;
	d-alpha tocopherol	4	IU/capsule;
	gelatin	246	mg/capsule
5	glycerol	118	mg/capsule;
	red iron oxide	2.2	7 mg/capsule;
	yellow iron oxide	1.2	7 mg/capsule
	Formulation 2		
LO	Ethyl esters of poly-		
	unsaturated fatty acids		1000 mg
	with content in ethyl esters		
	of $\omega$ -3 poly-unsaturated este	rs	
	(eicosapentaenoic EPA ,		
15	docosahexaenoic (DHA)		850 mg
	d-1-α tocopherol		0.3 mg
	gelatin succinate		233 mg
	glycerol		67 mg
	sodium p-oxybenzoate		1.09 mg

sodium propyl p-oxobenzoate . 0.54 mg



#### AMENDED CLAIMS

- 1. Use of essential fatty acids containing a mixture of eicosapentanoic acid ethyl ester (EPA) and docosahexaenoic acid ethyl ester (DHA) in the preparation of a medicament useful for preventing mortality in a patient who has suffered from a myocardial infarction where the content in EPA+DHA in such mixture is greater than 25% b.w; and the medicament is for oral administration.
- 2. Use according to claim 1, wherein the medicament is useful for preventing mortality due to sudden death in a patient who has suffered from a myocardial infarction.
- 3. Use according to claim 1 or 2, wherein the content in EPA+DHA in such mixture is from about 30 to about 100% b.w.
- 4. Use according to claim 1 or 2, wherein the content in EPA+DHA in such mixture is about 85% b.w.
- 5. Use according to claim 4, wherein the medicament is for oral administration, at a dosage from about 0.7 g to about 1.5 g daily.
- 6. Use according to claim 5, wherein the EPA/DHA ration in the EPA+DHA mixture is about 0.9/1.5.
- 7. Use of essential fatty acids containing eicosapentaenoic acid ethyl ester (EPA) or docosahexaenoic acid ethyl ester (DHA) in the preparation of a medicament useful for preventing mortality in a patient who has suffered from a myocardial infarction, wherein the EPA or DHA content is greater than 25% b.w.; and the medicament is for oral administration.
- 8. Use according to claim 7, wherein the medicament is useful for preventing mortality due to sudden death in a patient who has suffered from a myocardial infarction.
- 9. Use according to claim 7 or 8, wherein the EPA or DHA content is from about 60 to about 100% b.w.

# **Declaration For U.S. Patent Application**

As a below named inventor, I hereby declare that:							
My residence, post office address and citizenship are as stated below my name.							
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled (Insert Title)ESSENTIAL FATTY ACIDS IN THE PREVENTION OF CARDIOVASCULAR EVENTS							
the specification of	which is attached hereto unless the	following box is ch	ecked:				
ठ	February 7, 2 was filed on February 7, 2 Number PCT/EPOO/00957	2000	Application Number or PCT Interna	tional Amuliantan			
	Number PC17 EPOO7 00957 and	was amended on _	(if app	licable).			
by any amendment							
certificate, or §365( and have also identificate)	duty to disclose information which it eign priority benefits under 35 U.S a) of any PCT International application field below any foreign application for	.C. §119(a)-(d) or on which designated r patent or inventor	§365(b) of any foreign application(s	) for patent or inventor's			
date before that of t	he application(s) for which priority MI99A000313	is claimed: Italy	17/02/1999	Priority Claimed			
(List prior foreign	(Number)	(Country)	(Day/Month/Year Filed)	_ ⊠ Yes □ No			
applications.		(country)	(Day/Monul/Tear Filed)	_ □ Yes □ No			
See note A on back of	(Number)	(Country)	(Day/Month/Year Filed)				
this page)	(Number)	(Country)	(Day/Month/Year Filed)	_ □ Yes □ No			
I hereby claim the h	penefit under 35 U.S.C. §119(e) of	any United States a	Povisional annication (-) list 1 to 1				
	one and 35 0.5.C. 3115(c) 01 6	any Omieu States pi	ovisional application(s) listed below	<b>/.</b>			
	(Application Number) (Filing Date)						
	(Application Number)	(Filing	Date)				
(See Note B on bac		_	·				
(See Note B on back of this page)  See attached list for additional prior foreign or provisional applications.  I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or §365(c) of any PCT International application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) (U.S. or PCT) in the manner provided by the first paragraph of 35, U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.							
(List prior U.S. Applications or							
PCT International	(Application Serial No.)	(Filing Date	(Status) (patented, p	ending, abandoned)			
applications designating the U.S.)	(Application Serial No.)	(Filing Date	(Status) (patented, p	ending, abandoned)			
And I hereby appoint as principal attorneys David T. Nikaido, Reg. No. 22,663; Charles M. Marmelstein, Reg. No. 25,895; George E. Oram, Jr., Reg. No. 27,931; Robert B. Murray, Reg. No. 22,980; Martin S. Postman, Reg. No. 18,570; E. Marcie Emas, Reg. No. 32,131; Michael G. Gilman, Reg. No. 19,114, Douglas H. Goldhush, Reg. No. 33,125; Kevin C. Brown, Reg. No. 32,402; Monica Chin Kitts, Reg. No. 36,105; Sharon N. Klesner, Reg. No. 36,335; John R. Fuisz, Reg. No. 37,327; and Richard J. Berman, Reg. No. 39,107.							
Please direct all con	nmunications to the following addre	Metropolitan 3 655 Fifteenth Washington, I	Street, N.W., Suite 330 - G Street 1 D.C. 20005-5701				
punishable by fine or	all statements made herein of my own and further, that these statements were imprisonment, or both, under Section validity of the application or any pat	on knowledge are true e made with the known on 1001 of Title 18 o	wledge that willful false statements	and the like so made are			
(See Note C on back of	Full name of sole or first inventor	FRANC	O PAMPARANA				
this page)	Inventor's signature	co god co		July 10, 2001			
	Residence Piazza Firen:	ze, 19 ½ 201	00 <u>Milano (Italy)</u> 🕇 🤈	Date			
	Chiti- Italy						

Post Office Address Same as above